

Title (en)

LOW-TRANSMISSION DARK MIST GREEN GLASS COMPOSITION

Title (de)

GRÜNE GLASZUSAMMENSETZUNG MIT DUNKLEM NEBEL UND NIEDRIGER DURCHLÄSSIGKEIT

Title (fr)

COMPOSITION DE VERRE VERT BROUILLARD SOMBRE À BASSE TRANSMISSION

Publication

**EP 2942331 A4 20160713 (EN)**

Application

**EP 14735383 A 20140107**

Priority

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- KR 2014000128 W 20140107

Abstract (en)

[origin: EP2942331A1] The present invention relates to a low-transmission dark mist green glass composition, more specifically relates to a low-transmission dark mist green glass composition in which Fe 2 O 3 , CoO, Se and Cr 2 O 3 are used as coloring components within a specific content range where for the coloring components the relative contents of (CoO+Cr 2 O 3 ) to Se and CoO to Cr 2 O 3 are restricted to certain ranges and accordingly the visible transmittance (LT A ) is effectively controlled and thus a blocking performance for privacy is satisfied; the solar energy transmittance (T e ) and the UV transmittance (T uv ) are lowered, and accordingly the cooling load for vehicles, buildings and the like is reduced and interior materials and people protection against UV rays is obtained; and the optimal range of chromaticity diagram of transparent colors is satisfied which accordingly reduces eyestrain and provides psychological stability.

IPC 8 full level

**C03C 4/02** (2006.01); **B60J 1/00** (2006.01); **C03C 3/087** (2006.01); **C03C 4/08** (2006.01)

CPC (source: EP US)

**C03C 3/087** (2013.01 - EP US); **C03C 3/095** (2013.01 - US); **C03C 4/02** (2013.01 - EP US); **C03C 4/082** (2013.01 - EP US); **C03C 4/085** (2013.01 - EP US)

Citation (search report)

- [XII] US 5932502 A 19990803 - LONGOBARDO ANTHONY VINCENT [US], et al
- [XII] US 6413893 B1 20020702 - SHELESTAK LARRY J [US], et al
- [XI] EP 0816296 A1 19980107 - PPG INDUSTRIES INC [US]
- [XI] JP H10114539 A 19980506 - PPG INDUSTRIES INC
- See references of WO 2014107082A1

Designated contracting state (EPC)

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